**CE0832a Web Scripting**

**Tutorial 3 - DOM**

**Question 1. Draw a DOM**

In the lecture you saw a diagram representing the DOM of a shopping program. If you do not have this then the first task is to draw out this DOM

The second programme on the handout is an image gallery that we will look at next week. Draw the DOM for this program.

**Question 2. Exploring the DOM**

It is NOT good practice to mix Javascript in with your HTML5 code; Javascript should wherever possible be placed in a separate Javascript file. This is an exercise and it is easier to insert javascript inline; i.e. within the HTML

(a) download the shopping.html file and see what happens in the browser. Now add the code below after the </ul> tag

<script type=”text/javascript”>

alert(typeof document.getElementById(“purchase”)) ;

</script>

(Just be careful of the smart quotes that Word inserts!!)

Just to check change “purchase” to “Purchase” – does this mean the DOM is or is not case sensitive?

(b) Adapt the script to output how many li elements there are in the script

(c) Now adapt the script to write out the value of the second <li> element.

(d) Now generate an alert box for each element in the array giving the value of the element. This will involve a loop.

(e) Add an extra element into the list and see how the code works this time.

3. Modify the HTML to add a title attribute to the <ul> element. A title attribute is allowed on any html element.

(a) write a script that generates an alert box that displays the title attribute for the <ul> element

(b) now remove the title element and see what happens.

(c) before you output a value you need to check that the value makes sense. With strings it is a good idea to check if they are empty or have 0 length.

4. Look through the lecture notes and try out the various methods to see what happens – experiment. Use these on the castle1.html file.

**Question 3. Recording your answers**

Week 3 of your site needs some content.

There are many online drawing packages, giffy.com or cacoo.com. Use these tools to draw the DOM for question1 and insert your diagram into your page.

Add into the main part of the site answers to question 2 above.

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